

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 99 AT BETHANY LANE/OLD MILL ROAD IN HOWARD COUNTY. MD 99 IS CONSIDERED TO RUN IN AN EAST/WEST DIRECTION.

THE INTERSECTION MODIFICATION CONSIST OF ADDING SIDE STREET VIDEO DETECTION. THE EXISTING SIDE STREET LANE ASSIGNMENTS WILL BE MODIFIED TO BE AN EXCLUSIVE LEFT TURN LANE AND A SHARED THROUGH/RIGHT LANE FOR BOTH SIDE STREET APPROACHES.

INTERSECTION OPERATION

THE INTERSECTION OPERATION IS TO REMAIN UNCHANGED.

THE EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.

VIDEO DETECTION EQUIPMENT IS TO BE INSTALLED INTO THE EXISTING CABINET.

SPECIAL NOTES

1. THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140
MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 624-8200
MR. RAYMOND F. JOHNSON, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105
MS. ANDREA ABEND, UTILITY ENGINEER
PHONE: (301) 624-8115
MR. AVIJIT MAJUMDAR, CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, MANAGER, SIGNAL OPERATIONS
PHONE: (410) 787-7652

2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. CONTRACTOR SHALL CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION.

EQUIPMENT LIST

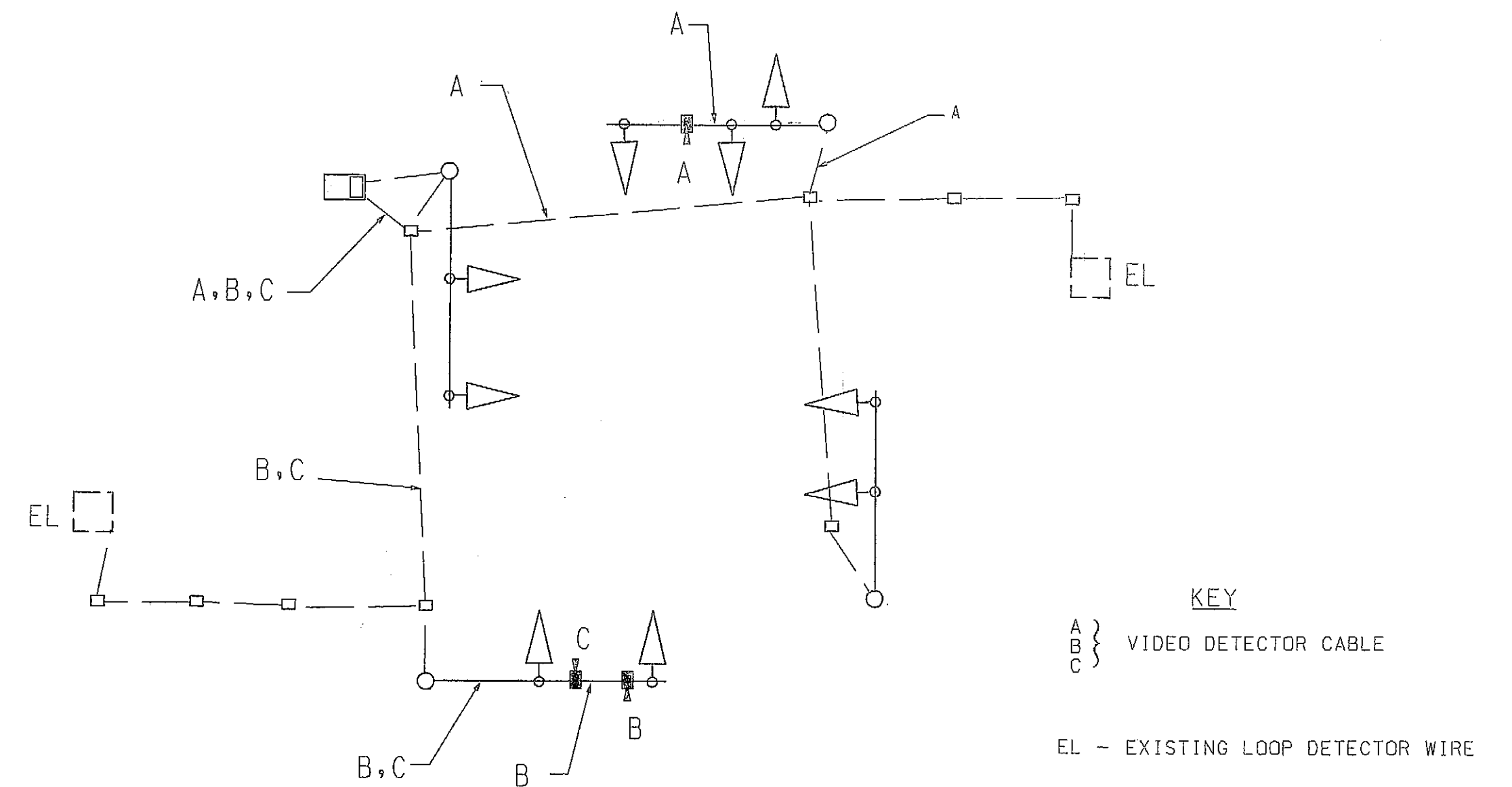
- A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.
NONE.
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
1	EA	VIDEO DETECTOR RETRO-PACK W/POWER SUPPLY
1	EA	VIDEO DETECTOR INTERFACE PANEL (1 PER EVERY 4 CAMERAS)
3	EA	VIDEO DETECTOR CAMERA (TERRA)
500	LF	VIDEO DETECTOR CAMERA CABLE
2	EA	30 IN. x 36 IN. R3-5(L) REGULATORY SIGN - MAST ARM
2	EA	30 IN. x 36 IN. R3-6(R) REGULATORY SIGN - MAST ARM
100	LF	12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING - CROSSWALK
55	LF	24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING - STOP LINE
2	EA	RELOCATE EXISTING M1-5(4) MAST ARM MOUNTED SIGN.
2	EA	REMOVAL OF EXISTING MAST ARM MOUNTED SIGN

Phase Chart

	1	2	3	4	5	6	7	8	9
Phase 2 & 6	G	G	G	G	R	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	R
Phase 4 & 8	R	R	R	R	G	G	G	G	G
4 & 8 Change	R	R	R	R	Y	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

Wiring Diagram



MD-AMD Tracking No.: 07APH0005



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 99 at Bethany Lane /Old Mill Road

Ellicott City, MD

GENERAL INFORMATION PLAN

SCALE: N/A DATE: January 18, 2013 CONTRACT NO.: BW999M82

DESIGNED BY: J.Dindorfer/TTG Inc. COUNTY: Howard
DRAWN BY: J.Dindorfer/TTG Inc. LOGMILE: 13009905.77
CHECKED BY: N/A TMS NO.: 1147
F.A.P. NO.: N/A TOD NO.: N/A

TS NO. 332-8-GI DRAWING: SG - 01 OF 01 SHEET NO. 2 OF 2

PLOTTED: Monday, January 21, 2013 AT 12:32 PM
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"Merging Innovation and Excellence"®

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.